Saskatchewan
Environment and
Public Safety

Annual Report of the Fire Commissioner

For the Fiscal Year ended
March 31, 1990

Published by Authority of
the Honourable Grant Hodgins,
Minister of Environment
and Public Safety

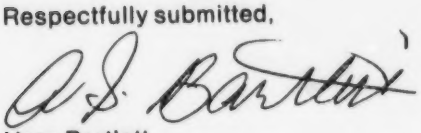
91-05167/

Honourable Grant Hodgins,
Minister of Environment
and Public Safety

Dear Sir:

I have the honour to present herewith the Annual Report of the Provincial Fire Commissioner for the twelve months ending March 31, 1990.

Respectfully submitted,



Vern Bartlett,
Fire Commissioner

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Summary

In the report which follows, fire losses in Saskatchewan for the calendar year are included both in summary form and in greater detail. Other data included in this report are presented on a fiscal-year basis.

The data included in this report has been compiled from information received from provincial fire inspectors, urban and rural fire chiefs, police forces, coroners, insurance companies and adjusters, secretary-treasurers of rural municipalities and the news media.

Fire Commissioner's Branch

The Fire Commissioner's Branch enforces *The Fire Prevention Act* and regulations thereunder with respect to:

- apartment buildings;
- educational facilities;
- hospitals;
- hotels;
- installation of automatic sprinkler systems;
- fire hose threads;
- the approval, installation and maintenance of oil burners and oil-burning equipment and appliances using combustible liquids as fuel;
- storage and handling of flammable liquids; and
- construction of concrete and masonry fireplaces, concrete and masonry chimneys and flues, sales and installation of factory built fireplaces and chimneys.

The branch also inspects and carries out responsibilities with regard to regulations adopted under *The Housing and Special-Care Homes Act, The Residential Services Act* and *The Mental Health Act* with respect to fire safety in special-care homes and homes for the aged, group homes, approved homes and private-service homes.

The functions of the branch include: a program of inspection and licensing; preparation of educational and practical programs in fire prevention and fire protection; training of volunteer and full-time firefighters; fire and arson investigation; approval of plans and specifications; and the recording of information on fires in the province.

The branch also provides consulting services on fire safety matters to other government departments, municipalities, organizations, industry, business, committees and individuals. For the purpose of fire inspection, the province is divided into eight districts, with fire prevention officers based in North Battleford, Prince Albert, Regina, Saskatoon, Swift Current and Yorkton.

Staff of the Fire Commissioner's Branch on March 31, 1990 is shown by category:

Category	Approved Number of Positions
All categories	**21**
Fire Commissioner	1
Manager of Training	1
Manager of Inspections and Investigations	1
Fire Prevention Officers	14
Clerical	4

Associations and Committees

During 1989-90, the Fire Commissioner was a member of the Association of Canadian Fire Marshals and Fire Commissioners, the Canadian Association of Fire Chiefs, the National Fire Protection Association, the Saskatchewan Association of Fire Chiefs, the Fire Safety Councils of the Canadian Standards Association, Underwriters' Laboratories of Canada, Warnock Hersey and Canadian Gas Standards Advisory Committee, the Mobile Home Park Committee, the International Association of Arson Investigators and the Fire Marshal's Association of North America.

Conferences

During the year 1989-90, the following conferences or meetings were attended by the Fire Commissioner: Canadian Fire Investigation School in Truro, Nova Scotia, The Saskatchewan Fire Chiefs' Association Conference in Weyburn and the Canadian Association of Fire Marshals and Fire Commissioners' Conference in Yellowknife. The Manager of Training attended the National Conference of Training Officers in Gravenhurst, Ontario.

Fire Losses

The property loss for 1989 was $46,066,565 as compared to $47,038,700 in 1988. A total of 2,908 fires were reported in 1989.

Most Fires Occur in Homes

Fires in one and two family dwellings continued to be highest in number. In 1989, twenty-five percent of all fires reported were in dwellings; a total of 737 fires with property loss of $11,217,175.00. The number one cause of fires in one and two family dwellings was electrical, followed by unattended cooking oil, children playing with matches and lighters, and smoking materials.

Loss of Life to Fire

The number of lives lost in fires in Saskatchewan decreased in 1989 from the previous year. Thirteen persons lost their lives (11 men, 1 woman, 1 child) as compared to 24 persons in 1988. The largest loss of life occurred in one and two family dwellings accounting for 10 of the 13 lives lost.

Inspection Program

Fire prevention officers of the Fire Commissioner's Branch carried out an inspection program in 1989-90 in 207 towns, villages and hamlets in various classes of buildings with the exception of dwellings, where inspections were made only as a result of a complaint or obvious hazard. Inspection of dwellings by local authorities is encouraged. Hospitals, institutions, educational buildings, apartment buildings, bulk fuel facilities and places of public assembly were inspected in the interest of fire safety. Government-owned buildings were also inspected for fire safety and evacuation procedures.

Fire departments have authority under *The Fire Prevention Act* to inspect and enforce provincial regulations. In large urban centres with paid departments having inspection staffs, provincial attention is only given in special circumstances or appeals.

During the year, fire prevention officers made 4,357 inspections. Of this number, 795 were special inspections and 569 were re-inspection follow-ups on previous orders. A total of 464 orders to remedy certain conditions within specified periods of time were issued. Inspections and improvement orders issued are shown in Table 7, according to class of property.

Fire Prevention

The Fire Commissioner's Branch continued to advise municipal councils and fire departments with respect to fire protection requirements. Eighty-eight fire department surveys were made during the year. Inspectors advised institutions, hospitals and hotels on fire emergency programs, fire exit drills and other safety matters. In addition, Fire Prevention Officers attended 227 special meetings with fire chiefs, local authorities and other persons concerned with fire prevention. The fire prevention education program is summarized in Table 11.

Fire Prevention Week (October 8 - 14th, 1989) was emphasized by means of lectures to school children, distribution of films and special fire prevention literature.

As part of a continuing effort to bring fire prevention to the attention of young people, the Fire Commissioner's Branch again sponsored the Annual Fire Prevention Poster Competition for public and high schools. As in previous years, the competition was open for grades one to twelve and 33 prizes and certificates were awarded. There was a total of 3,000 entrants.

Winners of the contest were notified of their award by the Minister-in-charge of *The Fire Prevention Act* and all other entrants were notified by the Fire Commissioner's Branch. The interest shown in fire prevention by teachers and students was most gratifying.

During the year Fire Prevention Officers gave 201 school lectures, 604 film showings, and held 13 school fire drills.

One of the most successful fire prevention programs continues to be the Hospital and Special Care Home Program. More than 1,543 staff members in 63 hospitals and nursing homes received training in fire prevention, fire protection equipment and the safe relocation and evacuation of residents.

Finally, 839 people took part in seventeen miscellaneous fire prevention programs. These sessions involved members of the St. Louis Rehabilitation Centre, Wascana and Kelsey Institute, Prince Albert Youth Camp and several industrial organizations.

Training

The year 1989 saw expansion of the training staff from four to six Fire Prevention Officers. The addition of these two positions in Saskatoon will assist with further development and delivery of training programs throughout the province.

In 1989-90, scheduled training programs for fire fighters were conducted in 81 communities throughout Saskatchewan. This training involved 1,909 industrial, volunteer and paid fire fighters.

Recommendations by the Select Committee suggested fire fighter training be standardized and provided in accordance with National Fire Protection Association Standards. On September 19, 1989, the Fire Commissioner's Branch joined Alberta and became the second Canadian agency accredited to certify fire fighters in accordance with these professional qualification standards.

Many fire departments have completed Level 1 modules and several are working towards certification of their entire membership.

To support delivery of training programs, Fire Service Instructor courses were conducted in Swift Current, Prince Albert, Yorkton and Regina. These new Instructors will deliver programs to their own departments as well as assist the Fire Commissioner's office with delivery.

Three regional vehicle extrication courses were delivered jointly with Saskatchewan Emergency Measures Organization. Eighty representatives from various communities were involved in a train the trainer program. These trainees returned to their respective communities where they delivered training to their members.

Fire Investigation

Fire Commissioner's staff participated in 96 investigations including cases in which arson was suspected, and cases in which, for fire prevention reasons, it is in the public interest to determine the cause of the fire. While fire prevention officers made a number of investigations unassisted, they frequently aided fire, insurance and law enforcement officials in determining the cause of fire.

It should be noted that all fires reported are investigated for cause, origin and circumstances by the local assistant to the Fire Commissioner (secretary-treasurers, fire chief and his staff) or police or insurance agencies or special investigation units or the Fire Commissioner's staff or a combination of these forces.

In May of 1989, the Eleventh Annual Fire Investigation Course was held at the Saskatchewan Police College. This program has grown in importance and is regarded as one of the better basic fire investigation programs in Canada.

The Fire Commissioner's Branch continues to promote and support the "Team Concept". To this end, one fire investigation seminar was held in Swift Current involving the Fire Commissioner's Branch, police and local assistants.

Plans and Specifications

Plans and specifications for new buildings or renovations to existing buildings were reviewed for the Fire Commissioner by the Building Standards Branch.

As in previous years, plans required to be submitted were examined for compliance with *The Flammable Liquids Regulations, The Hotel Regulation, The Hospital Fire Regulations, The Regulations Governing Fire Safety in Educational Buildings, The Regulations Governing Installation of Automatic Sprinkler Systems* and pertinent sections of the regulations under *The Housing and Special-care Homes Act.*

In examining plans submitted for government buildings and plans voluntarily submitted for structures such as churches, lodge rooms, dry cleaning plants, skating rinks, curling rinks and all projects entailing provincial grants, the Fire Commissioner's Branch continued to apply The National Building Code of Canada as widely as possible. Codes of The National Fire Protection Association and other standards of good practice are also used for this purpose.

Table 12 shows the number of plans and specifications reviewed by disposition, 1980-81 to 1989-90.

During the fiscal year ended March 31, 1990, 1,305 plans and specifications for new buildings or additions to existing buildings were reviewed. Of these, 455 were approved with minor provisions and 497 were approved subject to alterations. Approval was not given in 74 examinations, either because more information was required, major redesign was necessary or the review was only advisory. Sketches or drawings which were reviewed in consultation with architects and other interested persons previous to the preparation of preliminary and/or final drawings totalled 279.

Films

Every year, fire prevention and fire training films are distributed throughout the province. Films are used by schools, fire departments and various organizations. This year, some 604 showings were presented to 23,184 people.

Firefighting Equipment in Saskatchewan

There are now over 520 rural fire protection associations in operation, protecting rural homes or a combination of rural and urban homes in smaller centres. Most of the associations cover districts, financed on a taxation basis, and they protect from one to three rural municipalities. They include some towns, villages and hamlets within their particular rural municipalities. Several rural fire departments are operating on a co-operative basis and by subscription.

Provincial legislation provides for agreements to share the cost of firefighting equipment under the various municipal Acts, and provides for taxation over all or part of any municipality for fire protection.

Oil Burners

The Fire Prevention Act and regulations thereunder require that distributors and wholesalers of oil burners obtain an annual license and that firms or persons installing and servicing oil-burning equipment take out an annual or quinquennial license as authorized by the Fire Commissioner, for such work. The number of licenses issued during the fiscal year ended March 31, 1990, and during each of the previous nine years is shown in Table 13. The number of oil burner installation permits issued, as required by the regulations is also shown in Table 13.

Fire Record

Under the provisions of *The Fire Prevention Act,* the Fire Commissioner is required to maintain a record of fires occurring in the province and to include facts relating to origin and circumstances as they have been determined by the Fire Commissioner's Branch from reports of staff, fire chiefs, adjusters and police. The results are shown in Tables 1 to 6.

Figure 1

Total Number of Fires
Saskatchewan, 1980 to 1989

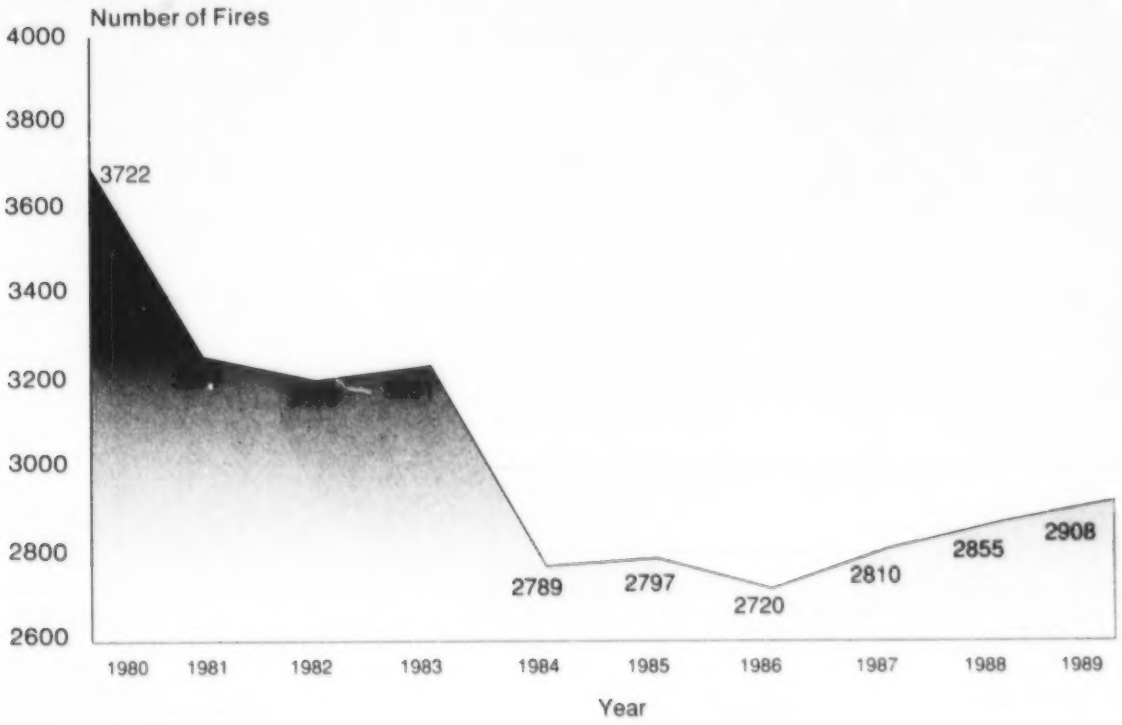

Figure 2

Estimated Dollar Loss
Saskatchewan, 1980 to 1989

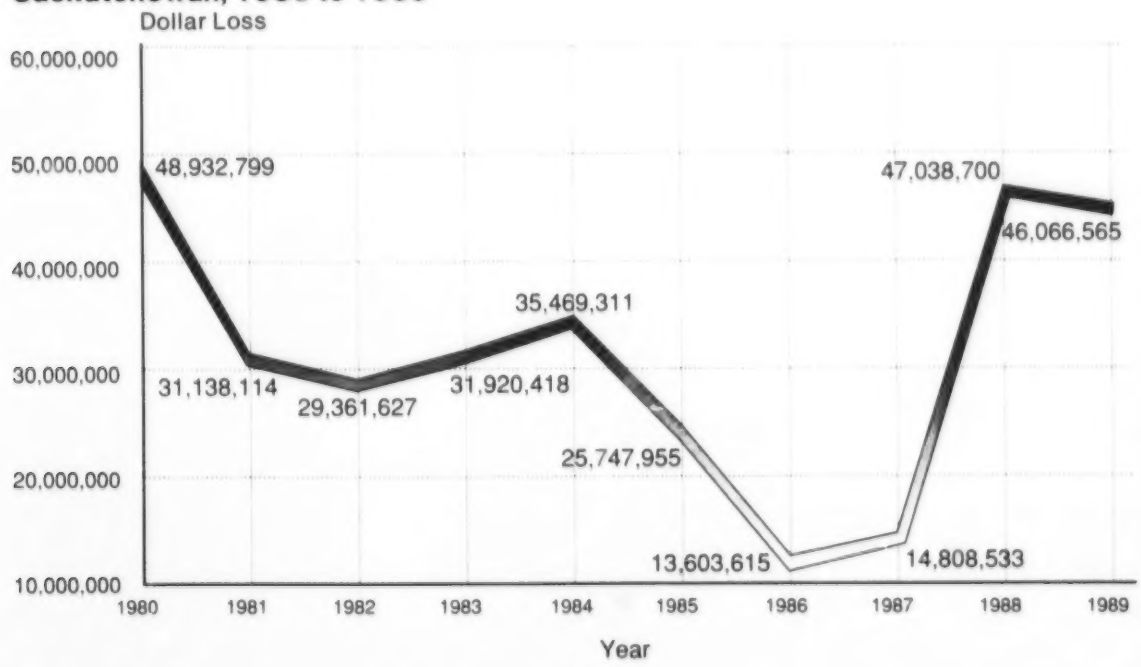

Figure 3

Comparative Chart of the total Number of Fires in Saskatchewan, 1989

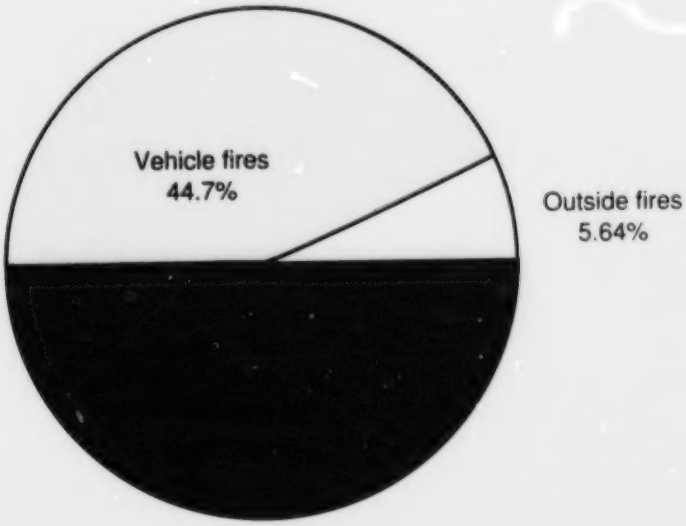

Figure 4

Total Injuries and Fatalities Saskatchewan, 1980 to 1989

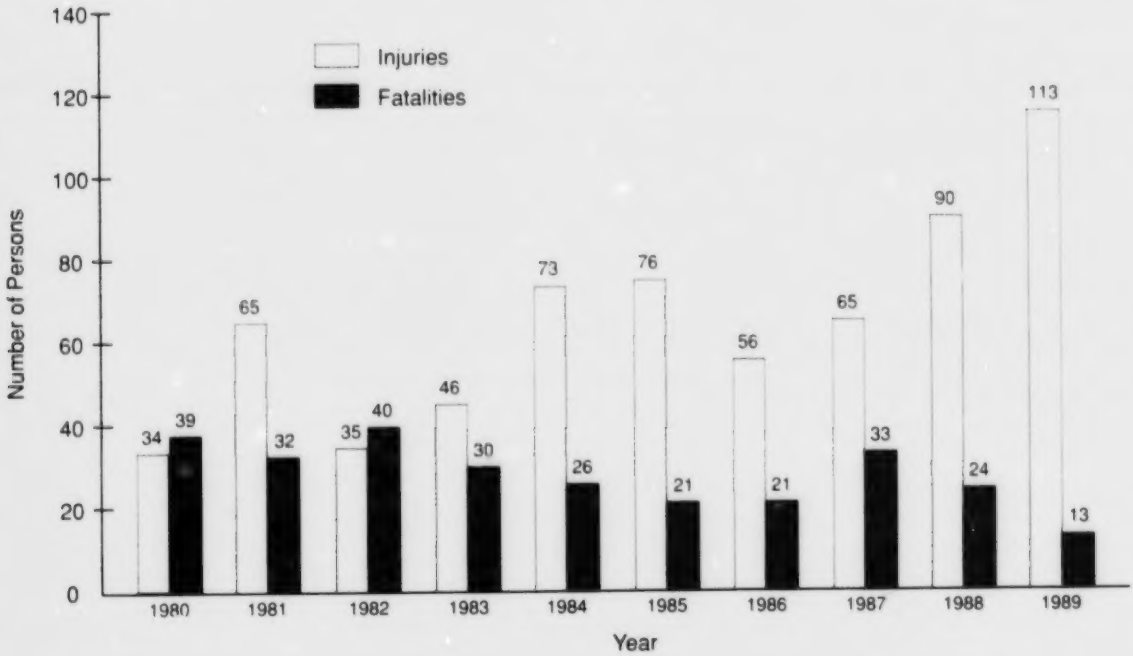

Figure 5

Fire Fatalities by Age and Sex
Saskatchewan, 1989

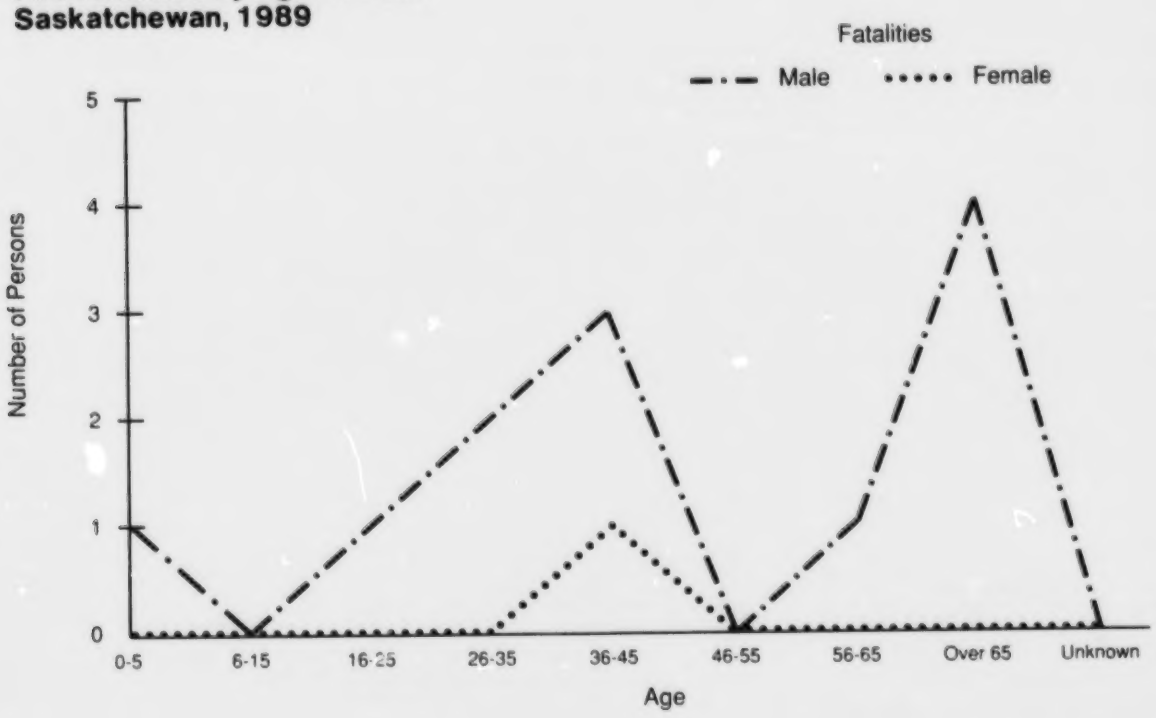

Figure 6

Fire Injuries by Age and Sex
Saskatchewan, 1989

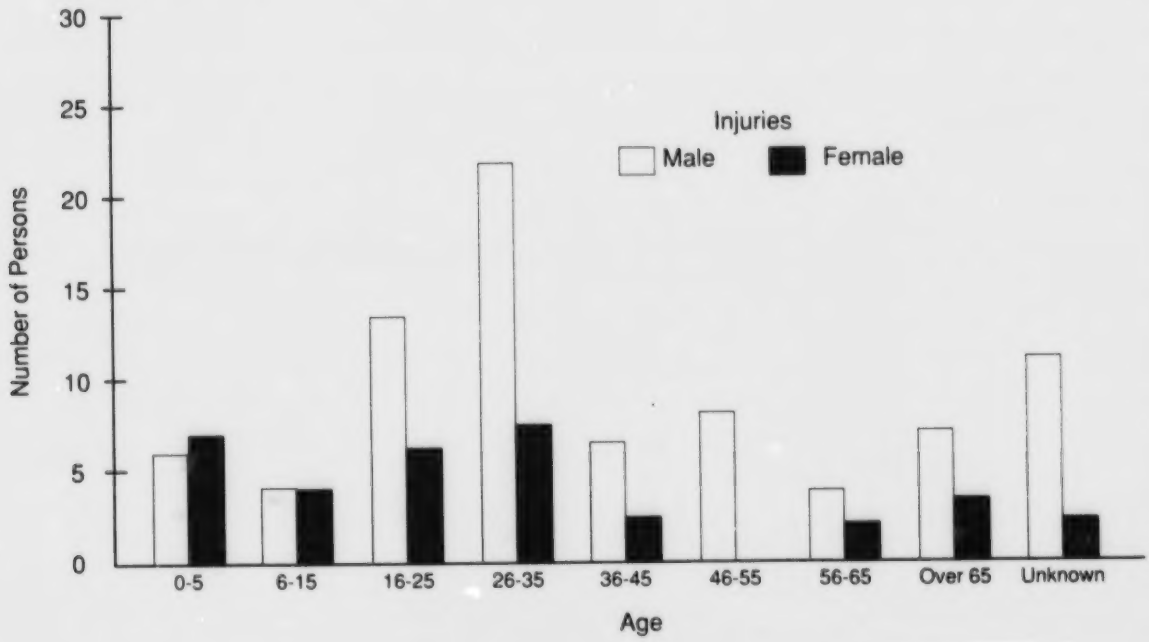

Figure 7

Estimated Fire Loss by Month Saskatchewan, 1989

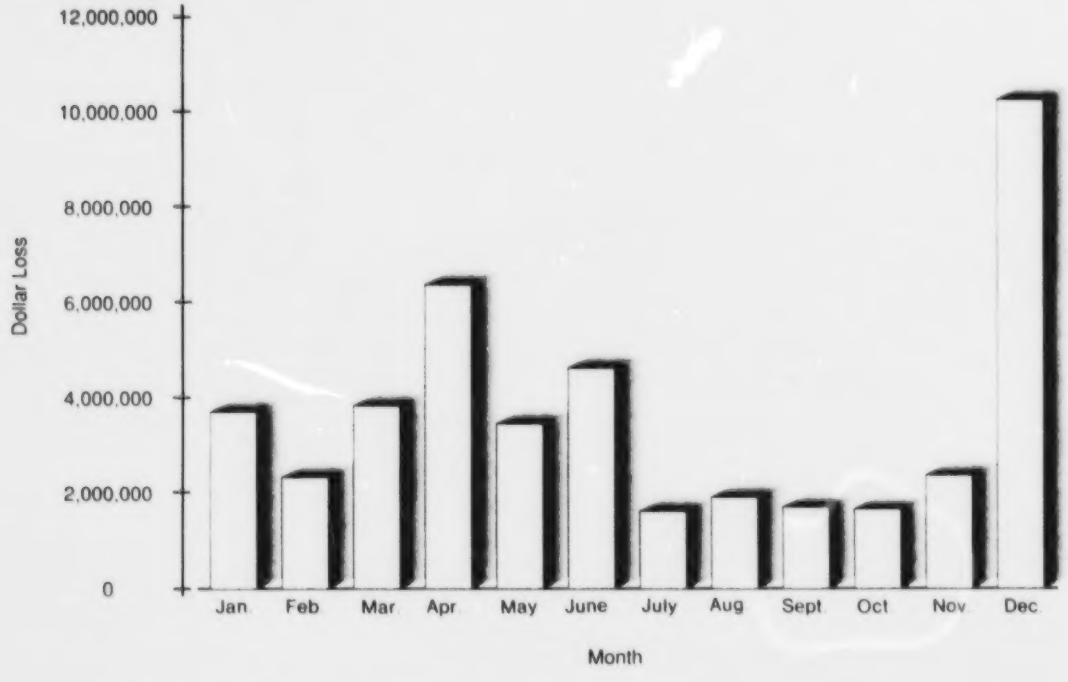

Figure 8

Number of Fires by Month Saskatchewan, 1989

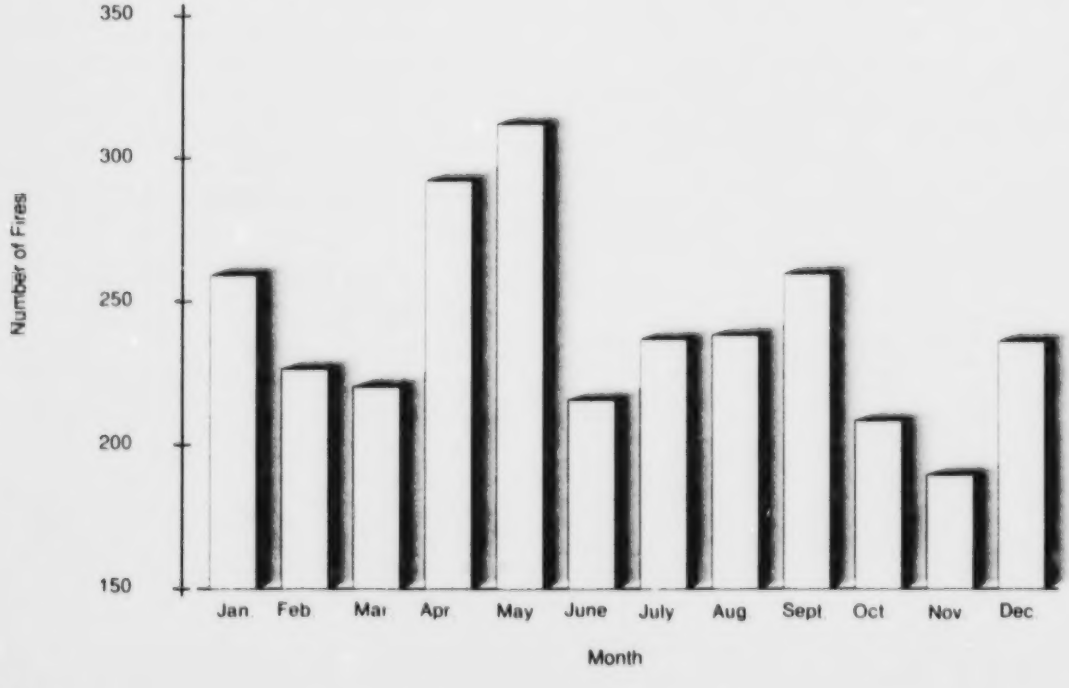

Figure 9

Number of Fires by Time of Day
Saskatchewan, 1989

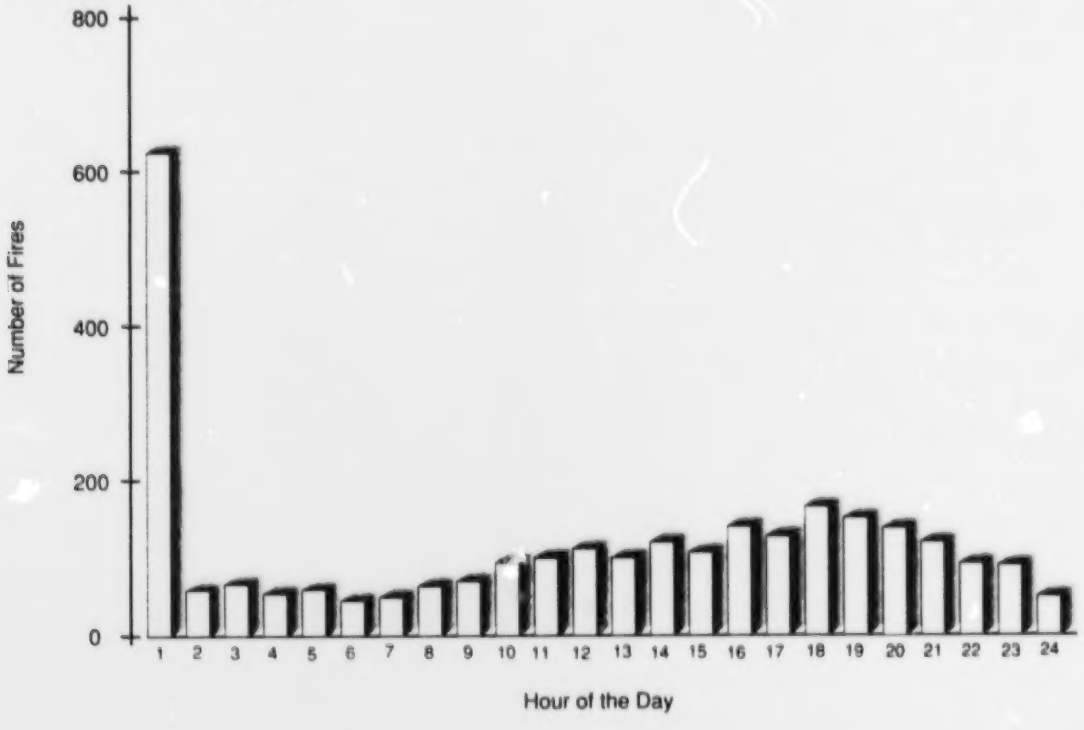

Figure 10

Estimated Loss by Time of Day
Saskatchewan, 1989

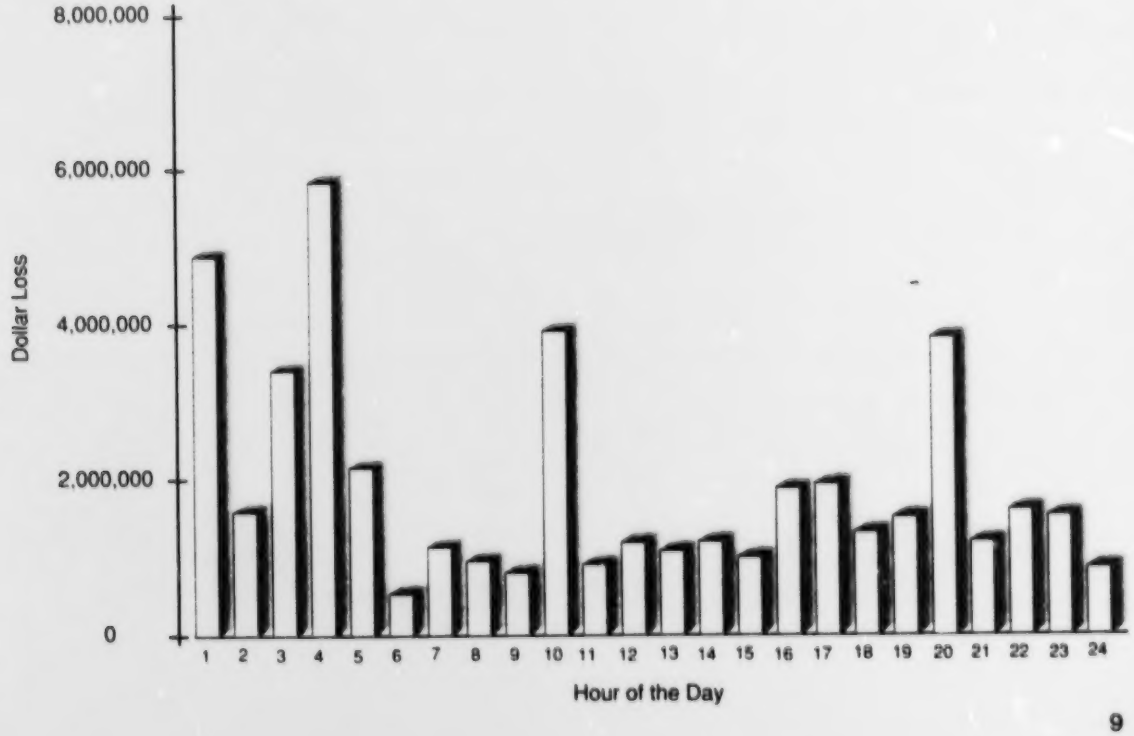

Figure 11

Number of Fires by Day of Week Saskatchewan, 1989

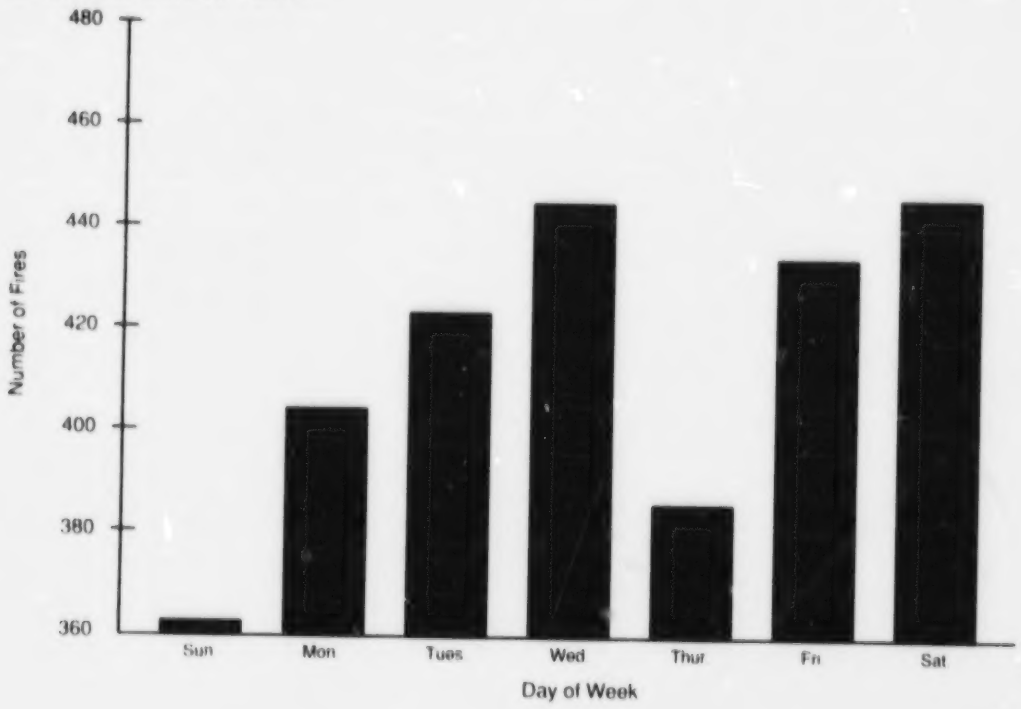

Figure 12

Estimated Fire Loss by Day of Week Saskatchewan, 1989

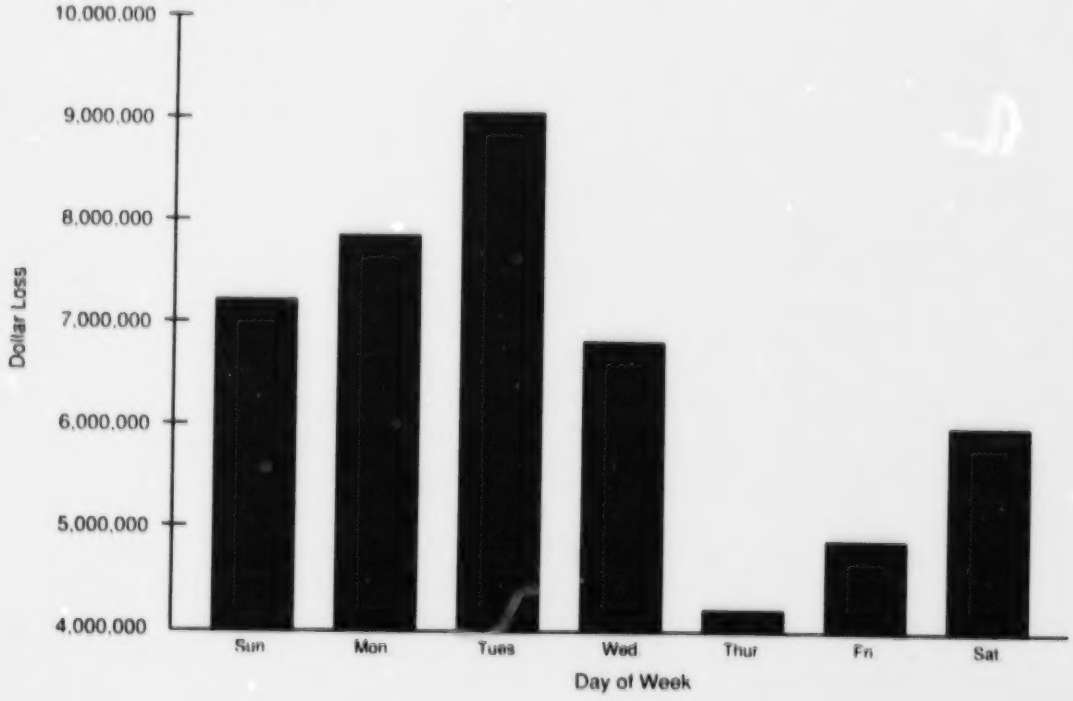

Table 1

Fire Loss Record in Urban Municipalities (Population over 1,000) Saskatchewan, 1989

Urban Municipalities	Population*	Number of Fires	Estimated Property Loss**
Assiniboia	3,001	2	$ 7,200
Battleford	3,833	10	201,200
Biggar	2,626	7	54,800
Buffalo Narrows	1,278	4	47,600
Canora	2,602	5	197,100
Carlyle	1,172	4	50,700
Carnduff	1,090	4	61,600
Carrot River	1,101	2	3,600
Churchbridge	1,035	–	–
Coronach	1,006	4	87,000
Creighton	1,623	4	47,600
Cumberland House	1,049	–	–
Dalmeny	1,328	2	47,100
Davidson	1,183	2	4,100
Esterhazy	3,083	5	47,600
Estevan	10,161	14	201,500
Eston	1,383	3	3,600
Foam Lake	1,535	3	90,600
Fort Qu'Appelle	1,915	2	43,500
Gravelbourg	1,305	2	7,200
Grenfell	1,274	1	500
Gull Lake	1,164	3	50,700
Hudson Bay	2,133	5	108,700
Humboldt	5,089	10	1,133,500
Ile A La Crosse	1,253	4	47,100
Indian Head	1,886	2	164,500
Kamsack	2,565	8	36,700
Kelvington	1,084	2	150,500
Kerrobert	1,288	2	7,200
Kindersley	4,192	13	5,145,400
Kipling	1,033	1	3,600
Langenburg	1,371	1	43,500
Langham	1,193	–	–
Lanigan	1,698	1	–
La Loche	2,038	5	65,700
La Ronge	2,702	3	43,500
Leader	1,130	–	–
Lloydminster***	7,155	17	139,600
Lumsden	1,369	3	3,600
Macklin	1,131	2	14,500
Maidstone	1,112	3	3,600
Maple Creek	2,452	2	4,100
Martensville	2,760	8	98,800
Meadow Lake	3,976	11	579,900
Melfort	6,078	10	80,700
Melville	5,123	12	191,800
Moose Jaw	35,073	53	545,200
Moosomin	2,557	3	43,500
Nipawin	4,588	13	80,600
North Battleford	14,876	51	313,100
Outlook	2,137	4	51,200
Oxbow	1,229	2	4,100
Pilot Butte	1,387	–	–

Table 1 (continued)

Fire Loss Record in Urban Municipalities (Population over 1,000), Saskatchewan, 1989

Urban Municipalities	Population*	Number of Fires	Estimated Property Loss**
Preeceville	1,272	1	3,600
Prince Albert	33,686	74	3,053,000
Regina	175,064	395	7,591,200
Rosetown	2,663	6	108,700
Rosthern	1,594	1	43,500
Saskatoon	177,641	467	5,474,365
Shaunavon	2,153	5	47,100
Shellbrook	1,238	3	3,600
Spiritwood	1,025	–	–
Swift Current	15,666	27	632,800
Tisdale	3,184	3	3,600
Unity	2,471	4	11,300
Wadena	1,602	2	7,200
Wakaw	1,010	–	–
Warman	2,455	3	7,200
Watrous	1,953	2	3,600
Weyburn	10,153	23	132,700
Whitewood	1,107	–	–
Wilkie	1,526	–	–
Wynyard	2,079	3	7,700
Yorkton	15,574	37	326,700

* Source: 1989 Municipal Director
** Based on reports of fire insurance company adjusters and fire chiefs
*** Includes only Saskatchewan portion of Lloydminster

Table 2

Fire Losses, by Mobile Property Type, Saskatchewan, 1989

Mobile Property	Number of fires	Estimated Dollar Loss	Injuries	Fatalities
Passenger Road Transport Vehicles (auto, bus, mobile home)	685	$ 1,935,755	3	1
Freight Road Transport Vehicles (semi, pick-up)	444	1,889,100	6	–
Rail Transport Vehicles	2	44,500	–	–
Water Transport Vessels	5	11,800	–	–
Air Transport Vehicles	–	–	–	–
Heavy Equipment (construction equipment, farm equipment)	138	2,538,100	1	–
Special Vehicles, Containers (garden equipment, compactors, dumpers)	6	18,500	–	–
Other Mobile Property Types	7	6,150	–	–
Total	**1,287**	**$ 6,443,905**	**10**	**1**

Table 3

Fire Losses, by Area of Fire Origin, Saskatchewan, 1989

Area of Fire Origin	Number of Fires	Estimated Dollar Loss	Injuries	Fatalities
Means of Egress (hallway, stairway, entrance way)	33	$ 316,115	–	1
Assembly, Sales Areas (rinks, living room, library)	101	1,483,300	19	–
Function Areas (bedrooms, kitchen, office, laboratory)	520	8,649,480	47	7
Storage Areas (closet, loading bays, vault)	255	6,316,330	15	–
Service Facilities (duct, chimney, conveyor)	63	704,700	2	–
Service, Equipment Areas (machinery room, furnace room)	105	5,754,750	6	1
Structural Areas (crawl space, wall assembly, awning)	283	10,768,950	7	–
Transport, Vehicle Areas (trunk, engine, passenger area)	1,272	6,761,410	10	1
Other Area of Origin (public street, patio, field)	220	1,588,080	4	1
Area of Fire Origin Undetermined	56	3,723,450	5	2
Total	**2,908**	**$46,066,565**	**115**	**13**

Table 4

Fire Losses, by Form of Heat of Ignition, Saskatchewan, 1989

Form of Heat of Ignition	Number of Fires	Estimated Dollar Loss	Injuries	Fatalities
Heat from Fuel Fired, Fuel-Powered Object	482	$ 6,120,605	15	2
Heat from Electrical Equipment Arcing, Overloaded	733	7,488,655	14	–
Heat from Smoking Material	113	1,871,200	16	3
Heat from Open Flame, Spark	496	6,132,965	27	1
Heat from Hot Object	368	3,239,020	17	2
Heat from Explosive, Fireworks	3	190,200	–	–
Heat from Natural Source	48	466,900	2	–
Heat Spreading from Another Hostile Fire (Exposure)	144	671,100	–	–
Other Form of Heat of Ignition	521	19,885,920	24	5
Total	**2,908**	**$46,066,565**	**115**	**13**

Table 5

Fire Losses, by Ignition Factor (cause) Saskatchewan, 1989

Ignition Factor	Number of Fires	Estimated Dollar Loss	Injuries	Fatalities
Incendiary or Suspicious	202	$ 4,045,965	6	1
Misuse of Heat of Ignition (falling asleep, children playing with matches)	417	4,863,575	36	5
Misuse of Material Ignited (fuel spilled, improper storage)	146	1,317,390	21	1
Mechanical Failure, Malfunction (part failure, short circuit, backfire)	1,322	14,382,320	15	1
Design Construction, Installation Deficiency	210	2,284,800	2	1
Operational Deficiency (unattended, spontaneous, improper startup)	228	1,447,650	14	1
Natural Condition (high wind, lightning)	28	386,400	2	–
Other Ignition Factor	355	17,338,465	19	3
Total	**2,908**	**$46,066,565**	**115**	**13**

Table 6

Fire Losses, by Fixed Property Use, Saskatchewan, 1989

Fixed Property Use	Number of Fires	Estimated Dollar Loss	Injuries	Fatalities
Assembly Property				
Fixed Use Amusement, Recreation Places	8	$ 560,800	–	–
Variable Use Amusement, Recreation Places	3	50	–	–
Churches, Funeral Parlors	2	593,500	–	–
Clubs	–	–	–	–
Libraries, Museums, Court Rooms	2	350	–	–
Eating, Drinking Places	29	577,600	1	–
Passenger Terminals	–	–	–	–
Theaters, Studios	2	550,000	2	–
Assembly Property: Unclassified	–	–	–	–
Sub-total	**46**	**$ 2,282,300**	**3**	**–**
Educational Property				
Nonresidential Schools	3	$ –	–	–
Residential Schools	2	4,100	1	–
Trades, Business Schools	2	50,000	–	–
Colleges, Universities	2	–	–	–
Educational Property: Unclassified	–	–	–	–
Sub-total	**9**	**$ 54,100**	**1**	**–**

Table 6 (continued)

Fire Losses, by Fixed Property Use, Saskatchewan, 1989

Fixed Property Use	Number of Fires	Estimated Dollar Loss	Injuries	Fatalities
Institutional Property				
Care of the Aged	6	$ 4,300	–	–
Care of the Young	1	150,000	–	–
Care of the Sick, Injured	2	3,600	1	–
Care of the Physically Restrained	1	1,000	–	–
Care of the Physically Inconvenienced	–	–	–	–
Care of the Mentally Handicapped	1	3,600	–	–
Institutional Property: Unclassified	1	–	–	–
Sub-total	**12**	**$ 162,500**	**1**	**–**
Residential Property				
One and Two Family Dwellings	737	$ 11,217,175	55	10
Apartments, Tenements, Flats	77	1,368,390	15	–
Rooming, Boarding, Lodging Houses	5	358,100	4	–
Hotels, Motels, Inns, Lodges	7	68,500	–	1
Dormitories	4	11,300	–	–
Home Hotels	3	15,000	–	–
Other Residential Occupancies	1	14,500	–	–
Residential Property: Unclassified	–	–	–	–
Sub-total	**834**	**$ 13,052,965**	**74**	**11**
Store, Office Property				
Food, Beverage Sales	10	$ 791,900	1	–
Textile, Wearing Apparel Sales	4	89,000	2	–
Household Goods Sales, Repairs	4	5,007,200	–	–
Specialty Shops	3	500	–	–
Recreation, Hobby or Home Repair Supply Sales, Service	2	47,100	–	–
Professional Supplies, Service	3	52,100	–	–
Motor Vehicle or Boat Sales, Service	38	648,750	3	–
General Item Stores	10	195,000	–	–
Offices	4	13,700	–	–
Store, Office Property: Unclassified	3	2,547,100	2	–
Sub-total	**81**	**$ 9,392,350**	**8**	**–**
Basic Industry, Utility, Defense Property				
Nucleonics, Energy Production	2	$ 45,500	–	–
Laboratories	1	10	–	–
Communications, Defense, Document Facilities	1	25	–	–
Utility, Energy Distribution Systems	10	61,600	–	–
Agriculture	74	1,638,500	–	–
Forest, Hunting, Fishing	7	4,100	1	–
Mining, Quarrying of Natural Raw Materials	8	2,677,600	1	–
Nonmetallic Mineral, Mineral Product Manufacture	2	3,600	–	–
Basic Industry, Utility, Defense: Unclassified	–	–	–	–
Sub-total	**105**	**$ 4,430,935**	**2**	**–**

Table 6 (continued)

Fire Losses, by Fixed Property Use, Saskatchewan, 1989

Fixed Property Use	Number of Fires	Estimated Dollar Loss	Injuries	Fatalities
Manufacturing Property				
Food	13	$ 987,700	1	–
Beverages, Tobacco, Essential Oils	–	–	–	–
Textiles	–	–	–	–
Footwear, Wearing Apparel, Leather, Rubber	–	–	–	–
Wood, Furniture, Paper, Printing	5	840,600	1	–
Chemical, Plastic, Petroleum	3	2,750,000	–	–
Metal, Metal Products Storage	6	1,754,300	–	–
Vehicle Assembly, Manufacture	1	600	–	–
Other Manufacturing Property	1	–	–	–
Manufacturing Property: Unclassified	1	–	–	–
Sub-total	**30**	**$ 6,333,200**	**2**	**–**
Storage Property				
Agricultural Products Storage	132	$ 1,014,950	1	–
Textile Storage	–	–	–	–
Processed Food, Tobacco Storage	1	3,600	–	–
Petroleum Products, Alcoholic Beverage Storage	4	150,000	–	–
Wood, Paper Products Storage	1	3,600	–	–
Chemical or Plastic, Chemical or Plastic Product Storage	1	5,000	1	–
Metal, Metal Product Storage	6	33,150	–	–
Vehicle Storage	184	2,168,750	6	–
General Item Storage	4	59,400	–	–
Storage Property: Unclassified	81	307,600	2	–
Sub-total	**414**	**$ 3,746,050**	**10**	**–**
Special Property				
Construction, Unoccupied Property	72	$ 547,450	2	–
Special Structures	29	35,855	–	–
Outdoor Properties	277	1,489,805	4	2
Water Areas	2	1,000	–	–
Railroad Properties	3	44,500	–	–
Road, Parking Property	981	3,718,855	8	–
Aircraft Areas	–	–	–	–
Equipment Operating Areas	10	756,600	–	–
Special Property: Unclassified	3	18,100	–	–
Sub-total	**1,377**	**$ 6,612,165**	**14**	**2**
Total	**2,908**	**$ 46,066,565**	**115**	**13**

Table 7

Inspections and Improvement Orders, by Property Classification, Saskatchewan, 1989-90

Class of property	Inspections (calls)	Improvement orders issued
Total	**4,357**	**464**
Assembly	**2,195**	**225**
Agriplexes	6	–
Amusement centres (arcades)	4	–
Bowling alleys	16	–
Change houses	–	–
Churches	470	10
Clubs	21	–
Court rooms	–	–
Day care centres	5	–
Funeral homes	–	–
Halls	391	39
Libraries	19	1
Licensed dining rooms	4	1
Museums	20	1
Pool rooms	1	0
Restaurants (cafes)	164	5
Rinks	466	56
Senior citizen centres	121	10
Schools (sheltered workshops, activity centres)	456	97
Swimming pools	15	4
Theatres	16	1
Institutional	**270**	**28**
Correction centres	22	1
Hospitals	96	12
Hostels	27	–
Jails	–	–
Nursing homes	114	15
Rehabilitation centres	11	–
Residential	**797**	**168**
Apartments	163	18
Approved homes	54	–
Cabins	50	–
Convents, monasteries	–	–
Dormitories	22	7
Group homes	45	–
Houses	17	–
Hotels	307	129
Lodging houses	9	–
Mobile homes	3	–
Motels	81	13
Private-service homes	22	–
Summer camp buildings	24	1
Business	**192**	**1**
Banks (credit unions)	10	–
Barber and hairdressing shops	2	–
Clinics (medical and veterinary)	4	–
Health spas	1	–
Laundromats and drycleaners	8	–
Offices	167	1

Table 7 (continued)

Inspections and Improvement Orders, by Property Classification, Saskatchewan, 1989-90

Class of property	Inspections (calls)	Improvement orders issued
Mercantile	**138**	**1**
Car washes	1	–
Department stores	6	–
Exhibition halls	–	–
Shops	6	–
Stores	94	1
Supermarkets	29	–
Industrial	**767**	**41**
Above and underground tanks	42	8
Aircraft hangars	–	–
Autobody shops	13	1
Bakeries	3	–
Bulk oil plants (propane)	230	22
Cold storage plants	–	–
Concrete plants	–	–
Creameries and dairies	–	–
Factories	3	–
Fertilizer buildings	3	–
Fire stations	55	–
Hatcheries	–	–
Lumber yards	15	–
Machine shops (metal, welding)	11	2
Manufacturing plants	1	–
Meat packers	–	–
Mills	1	–
Oil field supplies	–	–
Plumbing and heating shops	–	–
Power houses	–	–
Printing shops	–	–
Pump houses	5	–
Repair garages (implements)	124	4
Service stations	151	3
Storage garages and rooms	21	1
Upholstery shops	–	–
Warehouses (storage sheds)	78	–
Water treatment plants	1	–
Woodworking Factories (shops)	2	–
Workshops	8	–

* Includes 795 special inspections and 569 re-inspections.

Table 8

Inspections and Improvement Orders Issued, Saskatchewan, 1980-81 to 1989-90

Class of property	Inspection (calls)	Improvement orders issued
1980-81	4,076	626
1981-82	3,603	650
1982-83	6,028	907
1983-84	5,884	757
1984-85	3,815	735
1985-86	3,268	698
1986-87	5,432	861
1987-88	4,915	618
1988-89	3,273	421
1989-90	4,357	464

Table 9

Inspection by Property Classification, Saskatchewan, 1980-81 to 1989-90

Year	Total	Residential buildings	Commercial property	Institutional and assembly buildings	Manufacturing establishments	Other bldgs.
1980-81	4,076	409	1,911	1,554	14	188
1981-82	3,603	450	1,607	1,349	13	184
1982-83	6,028	681	2,845	2,137	29	336

Year	Total	Assembly	Inst'nl	Residential	Business	Mercantile	Industrial
1983-84	5,884	2,056	176	654	822	627	1,549
1984-85	3,815	1,585	163	685	307	248	827
1985-86	3,268	1,815	216	631	92	22	492
1986-87	5,432	2,690	328	965	316	124	1,009
1987-88	4,915	1,908	263	712	435	442	1,155
1988-89	3,273	1,604	236	702	94	71	566
1989-90	4,357	2,195	270	797	192	136	767

* Includes special inspections and re-inspections to ascertain compliance with improvement orders.

Table 10

Improvement Orders Issued, by Property Classification, Saskatchewan, 1980-81 to 1989-90

Year	Total	Residential buildings	Commercial property	Institutional and assembly buildings	Manufacturing establishments	Other bldgs.
1980-81	626	115	132	360	—	19
1981-82	650	144	120	353	1	32
1982-83	907	246	126	483	4	48

		Assembly	Inst'nl	Residential	Business	Mercantile	Industrial
1983-84	757	403	38	157	6	5	148
1984-85	735	379	43	222	10	2	79
1985-86	698	394	39	189	2	3	71
1986-87	861	422	38	238	7	1	155
1987-88	618	305	29	191	11	12	70
1988-89	421	209	18	135	—	—	59
1989-90	464	225	28	168	1	1	41

* Includes special inspections and re-inspections to ascertain compliance with improvement orders.

Table 11

Selected Activities in Fire Prevention Education, Saskatchewan, 1989-90

Selected Activities	Number of Meetings	Attendance
Public meetings	18	1,159
School lectures	201	16,260
Other lectures and demonstrations	41	2,272
Film showings	604	23,184
Fire department meetings	48	296
Municipal council conferences	12	116
Meetings with school boards	4	23
Meetings with hospital boards	3	17
Meetings with fire chiefs	49	—
Court cases	5	—
Fuel leaks	3	—
School fire drills	13	1,619
Building/design consultants	128	—
Plans Review	27	—
Learn Not to Burn In-Service programs	2	70

Note: Attendance figures are not recorded for all activities.

Table 12

Plans and Specifications of Buildings Reviewed, by Disposition, Saskatchewan, 1980 to 1990

Year	Total	Approved	Approved subject to alterations	Rejected
1980-81	1,356	382	771	203
1981-82	1,254	333	747	174
1982-83	1,206	407	675	124
1983-84	1,406	505	754	147
1984-85	1,449	539	783	127
1985-86	1,199	401	698	100
1986-87	1,380	401	833	145
1987-88	1,105	412	614	79
1988-89	901	338	492	71
1989-90	1,026	455	497	74

Table 13

Oil Burner Licences and Permits Issued Under *The Fire Prevention Act*, Saskatchewan, 1980-81 to 1989-90

Type of licence or permit	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88	1988-89	1989-90
Total oil burner licence	**180**	**129**	**109**	**94**	**88**	**108**	**71**	**59**	**49**	**39**
Wholesalers' or manufacturers' (annual)	11	12	11	11	12	9	8	7	5	5
Installers' (annual)	51	42	41	34	27	25	22	13	11	11
Installers' (quinquennial)	118	75	57	49	49	74	41	34	33	23
Total oil burner permits (annual)	**166**	**106**	**71**	**16**	**10**	**3**	**10**	**9**	**7**	**33**

Note: The number of licenced oil burner installers, in Saskatchewan, in 1989-90 was **225**.

Table 14

Volunteer Firefighters' Training Schools, Saskatchewan, 1989-90

Location	Period
Basic Fire Schools	
Val Marie	April 3, 4, 5, 1989
Golden Prairie	April 4, 5
Cadillac	April 10, 11, 12
Redvers	April 10, 11, 12
Moose Mountain Provincial Park	April 13
Lestock	April 17, 18, 19
Muenster/Humboldt	April 22, 23
Waskesiu	April 30, May 1, 2, 3
Arborfield	May 1, 2, 3
Invermay	May 15, 16, 17
Milden	May 15, 16, 17
Cypress Hills Provincial Park	June 1
Duck Mountain Provincial Park	June 1
Wadena	June 5, 6, 7
St. Walburg	June 12, 13, 14
Gravelbourg	June 19, 20, 21
Glaslyn	June 26, 27, 28
Wolseley	July 4, 5, 6
Choiceland	July 17, 18, 19
Beechy	August 7, 8, 9
Indian Head	August 14, 15, 16
Kipling	August 28, 29, 30
Balgonie	September 5, 6, 7
Torquay	September 5, 6, 7
Langenburg	September 18, 19, 20
Duck Lake	September 18, 19, 20
Macklin	October 2, 3, 4
Radisson	October 10, 11, 12
Wood Mountain	October 23, 24, 25
Wynyard	October 23, 24, 25
Radville	October 30, 31, November 1
Certificate Courses	
Prince Albert	April 3, 4, 5, 6, 7, 1989
Chamberlain	April 17, 18, 19
Delisle (2)	April 25
Earl Gray (2)	May 23, 24, 25
White City	May 23, 24, 25
Moosomin (2)	July 10, 11, 12
Semans	July 25
Indian Head	August 1, 2, 3
Wadena	September 11, 12, 13
Melfort	September 11, 12, 13
Nipawin	September 18, 19, 20
Swift Current	September 18, 19, 20
Nipawin (2)	September 25, 26, 27
Stoughton	October 10, 11, 12
Chaplin	October 16, 17, 18
Carlyle	October 16, 17, 18
Stoughton	October 30, 31, November 1
Yorkton	November 6, 7, 8, 9, 10
St. Walburg	November 3, 4, 5
Moose Jaw	January 12, 16, 1990
Regina Fire Department #2 Fire Hall	January 26, February 16

Table 14 (continued)

Volunteer Firefighters' Training Schools, Saskatchewan, 1989-90

Location	Period
Certificate Courses (continued)	
North Battleford	February 19
Frontier	February 12, 13, 14
Regina	February 12
Spy Hill	March 16, 17
Norquay	March 23, 24
Pelly	March 23, 24
Miscellaneous Courses	
Regina — William Booth Special Care Home	April 20, 1989
Vanscoy — Cominco Chemicals and Fertilizer	April 26
North Battleford Fire Chief's Convention	May 29, 30, 31
Regina — Wascana and Kelsey Institute	August 29
North Battleford Don Ross Centre	October 11
Saskatoon Kelsey Institute	October 11
Midale	October 11
Pilot Butte	October 27, 28, 29
Regina Trailways Transportation	November 15
Prince Albert Youth Camp	December 11
St. Louis Alcoholism Rehabilitation Centre	December 12
Regina Fire Department #2 Fire Hall	January 26, 1990
Regina Fire Department #2 Fire Hall	February 20, 21
Saskatoon Chemicals	March 8
North Battleford	March 9, 10, 11
Regina Fire Department #2 Fire Hall	March 30

Table 15

Volunteer Firefighters' Training Schools, Saskatchewan, 1980-81 to 1989-90

Year	Number of training schools conducted	Number of persons registered
1980-81	49	3,230
1981-82	27	2,039
1982-83	33	2,046
1983-84	31	2,246
1984-85	47	1,198
1985-86	55	930
1986-87	80	979
1987-88	96	1,138
1988-89	99	1,409
1989-90	81	1,909